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IN THE CLAIMS:

Claims 1 - 22 (previously cancelled)

23. (previously amended) A process for olefin polymerization comprising contacting an olefin with a catalyst composition comprising (A) a solid catalyst component comprising a transition metal-containing metallocene compound, a transition metal-containing non-metallocene compound, a magnesium compound and a polymeric support material, and (B) a cocatalyst comprising an aluminum compound, said contacting occurring under conditions sufficient for the production of olefin polymers.

24. (original) The process of Claim 23 wherein the olefin polymers comprise homopolymers of olefins or copolymers of olefins and alpha olefins.

25. (original) The process of Claim 24 wherein the olefin polymers are multimodal.

26. (previously amended) A process for preparing an olefin polymerization catalyst composition comprising combining support polymer particles, a magnesium compound, a transition metal-containing metallocene compound, and a transition metal-containing non-metallocene compound, to provide a solid catalyst component, and combining the solid catalyst component with a cocatalyst compound to provide an olefin polymerization catalyst composition.

27. (previously amended) The process of Claim 26 wherein the solid catalyst component is substantially free of aluminum before combination with said cocatalyst compound.

28. (currently amended) The ~~catalyst composition~~ process of Claim 23 wherein the said metallocene compound is represented by the general formula  $(Cp)_zMR_wX_y$  wherein Cp represents unsubstituted or substituted cyclopentadienyl ring, M represents a Group

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IVB or VB transition metal, R represents a hydrocarbonyl group containing 1 to 20 carbon atoms, X represents a halogen atom, and  $1 \leq z \leq 3$ ,  $0 \leq w \leq 3$ ,  $0 \leq y \leq 3$ .

29. (currently amended) The ~~catalyst composition~~ process of Claim 28 wherein the said metallocene compound is bis(cyclopentadienyl)zirconium methyl chloride, bis(cyclopentadienyl)zirconium dichloride, bis(cyclopentadienyl)titanium methyl chloride or bis(cyclopentadienyl)titanium dichloride.

30. (previously added) The process of claim 23 wherein the polymer particles have a mean particle diameter of 5  $\mu\text{m}$  to 1000  $\mu\text{m}$ , a pore volume of at least 0.1  $\text{cm}^3/\text{g}$  and a surface area of from 0.2  $\text{m}^2/\text{g}$  to 15  $\text{m}^2/\text{g}$ .

31. (previously added) The process of Claim 30 wherein the polymer particles comprise polyolefins, polyvinylchloride, polyvinylalcohol or polycarbonate.

32. (previously added) The process of Claim 31 wherein the polymer particles are polyvinylchloride.

33. (currently amended) The ~~catalyst composition~~ process of Claim 32 wherein the polyvinylchloride particles are spherical in shape.

34. (previously added) The process of claim 23 wherein the non-metallocene compound comprises titanium tetrachloride, zirconium tetrachloride and/or vanadium tetrachloride.

35. (previously added) The process of Claim 34 wherein Ti and Zr are present in the composition in a molar ratio of Ti to Zr of about 3:1 to about 30:1.

36. (previously added) The process of Claim 29 wherein the magnesium compound comprises diethylmagnesium, dibutylmagnesium, butylethylmagnesium,

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dihexylmagnesium, butyloctylmagnesium, ethylmagnesium chloride, butylmagnesium chloride, hexylmagnesium chloride or mixtures thereof.

37. (previously added) The process of Claim 36 wherein the cocatalyst (B) aluminum compound is represented by the general formulas  $R^6_n AlX_{3-n}$  and  $R^7R^8Al-O-AIR^9_2$ , wherein  $R^6$ ,  $R^7$ ,  $R^8$  and  $R^9$  each independently represent a hydrocarbyl group having 1 to 10 carbon atoms; X represents a halogen atom and n represents a number satisfying  $0 \leq n \leq 3$ .

38. (previously added) The process of Claim 37 wherein the cocatalyst (B) aluminum compound comprises a mixture of trialkylaluminum and an alkyl alumoxane.

39. (previously added) The process of Claim 26, wherein the metallocene compound is represented by the general formula  $(Cp)_zMR_wX_y$  wherein Cp represents unsubstituted or substituted cyclopentadienyl ring, M represents a Group IVB or VB transition metal, R represents a hydrocarbyl group containing 1 to 20 carbon atoms, X represents a halogen atom, and  $1 \leq z \leq 3$ ,  $0 \leq w \leq 3$ ,  $0 \leq y \leq 3$ .

40. (previously added) The process of Claim 39 wherein the polymer particles have a mean particle diameter of 5  $\mu m$  to 1000  $\mu m$ , a pore volume of at least 0.1  $cm^3/g$  and a surface area of from 0.2  $m^2/g$  to 15  $m^2/g$ .

41. (previously added) The process of Claim 40 wherein the polymer particles are comprised of polyvinylchloride and are spherical in shape.

42. (previously added) The process of Claim 41, wherein the magnesium compound comprises diethylmagnesium, dibutylmagnesium, butylethylmagnesium, dihexylmagnesium, butyloctylmagnesium, ethylmagnesium chloride, butylmagnesium chloride, hexylmagnesium chloride or mixtures thereof.